

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Ledoux, et al.

Serial No.: 09/822,864


Filed: April 2, 2001

For: Method and System for Controlling Beam  
Scanning in an Ion Implantation Device

§ Confirmation No.: 7224  
§  
§ Group Art Unit: 2881  
§  
§ Examiner: K. T. Nguyen  
§  
§  
§  
§

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or electronically transmitted to the U.S. Patent and Trademark Office via EFS-Web, on the date shown below.	
February 19, 2007 Date	 Steven H. VerSteeg

**SUBMISSION UNDER 37 C.F.R. § 1.251 FOR RECONSTRUCTION OF FILE**

In a telephone conversation between Attorney Nancy Johnson from the Office of Petitions and Steven H. VerSteeg on February 14, 2007, it was determined that the present patent application has been lost at the USPTO and needs to be reconstructed. Attorney Johnson stated that Applicants should file a submission under 37 C.F.R. § 1.251 in order for the file to be reconstructed. Attorney Johnson stated that after the file has been reconstructed, the petition could be acted upon.

Although Applicants believe that no additional fees are due in connection with this submission, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/APPM/4600/BTP, for any fees, including extension of time fees or excess claim fees, required to make this submission timely and acceptable to the Office.

Applicants, through their undersigned attorney of record, supply herewith a copy of the Applicants' record of all the correspondence between the USPTO and the Applicants for the above referenced patent application as required by 37 C.F.R. §

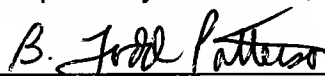
1.251(a)(i). Attached hereto is a listing of all such correspondence as required by 37 C.F.R. § 1.251(a)(ii).

Applicants, through their undersigned attorney, do hereby state that the attached copy of all correspondence is a complete and accurate copy of the Applicants' record of all the correspondence between the USPTO and the Applicants for the above referenced patent application as required by 37 C.F.R. § 1.251(a)(iii).

Applicants, through their undersigned attorney, do also hereby state, as required by 37 C.F.R. § 1.251(a)(iii), no additional communications between Applicants and the USPTO are known to the Applicants or their undersigned attorney of record.

Having submitted all materials necessary for reconstructing the file under 36 C.F.R. § 1.251, Applicants respectfully request the file to be reconstructed, the outstanding petition to be granted, and the claims be allowed.

Respectfully submitted,



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Attorney for Applicant

(w/attachments)

### **Listing of Correspondence between Applicants and USPTO**

1. April 2, 2001 – Patent application containing transmittal letter (3 pages), information sheet (1 page), unsigned declaration (4 pages), specification (17 pages), claims (6 pages), abstract (1 page), and informal drawings (4 pages) filed with USPTO; **ALL DOCUMENTS ATTACHED**
2. June 1, 2001 – Notice of Missing Parts (2 pages) and Filing Receipt (4 pages) mailed from USPTO; **ALL DOCUMENTS ATTACHED**
3. July 31, 2001 – Response to Notice of Missing Parts (2 pages), copy of Notice of Missing Parts (2 pages), signed declaration (4 pages), and formal drawings (4 pages) filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED**
4. August 1, 2001 – Recordation form cover sheet (2 pages) and assignment (6 pages) filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED**
5. October 15, 2001 – Assignment recordation (2 pages) mailed from USPTO; **ALL DOCUMENTS ATTACHED**
6. February 26, 2003 – Restriction (7 pages) mailed from USPTO; **ALL DOCUMENTS ATTACHED**
7. April 8, 2003 – Information Disclosure Statement (6 pages), search report (3 pages), and three foreign references filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED EXCEPT FOR US PATENTS**
8. April 28, 2003 – Large Entity Transmittal Form (2 pages) and Response to Restriction (4 pages) filed with USPTO; **ALL DOCUMENTS ATTACHED**
9. May 22, 2003 – Final Office Action (6 pages) mailed from USPTO; **ALL DOCUMENTS ATTACHED EXCEPT FOR US PATENTS**
10. December 18, 2003 – Notice of Abandonment (2 pages) mailed from USPTO; **ALL DOCUMENTS ATTACHED**
11. February 17, 2004 – Petition to Withdraw the Holding of Abandonment (11 pages) filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED**

12. June 23, 2004 – Letter Submitting Copy of Petition to Withdraw the Holding of Abandonment Originally Filed on February 17, 2004 (13 pages) filed with USPTO; **ALL DOCUMENTS ATTACHED**
13. February 18, 2005 – Status Inquiry (1 page) filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED**
14. August 1, 2005 – Petition Inquiry (2 pages) filed with USPTO; mailing receipt attached; **ALL DOCUMENTS ATTACHED**
15. August 3, 2006 – Status Inquiry (2 pages) filed with USPTO; Electronic filing receipt attached; **ALL DOCUMENTS ATTACHED**
16. On or about February 2, 2007 – Power to Inspect (1 page) filed with USPTO; **ALL DOCUMENTS ATTACHED**
17. February 14, 2007 – Associate Power of Attorney (1 page) filed with USPTO; Electronic filing receipt attached; **ALL DOCUMENTS ATTACHED**

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Date: April 2, 2001

Docket No.: 004600/USA/TCG/ORION/LE

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing is a patent application applied for on behalf of the inventor(s) according to the provisions of 37 C.F.R. § 1.41(c).

Inventor(s): LEDOUX, Robert Joseph; BOISSEAU, Raymond Paul;  
NETT, William Philip

For: METHOD AND SYSTEM FOR CONTROLLING BEAM SCANNING IN  
AN ION IMPLANTATION DEVICE

Enclosed are:

- ☒ A specification consisting of Twenty-Four (24) pages
- ☒ Four (4) sheet(s) of formal drawings
- ☒ Applicant does not claim priority
- ☐ Applicant claims the right of priority based on Appl. No(s).  
filed in on .
  - ☐ Certified copy(ies) is(are) attached hereto.
  - ☐ Certified copy(ies) will follow.
- ☒ Executed Declaration in accordance with 37 C.F.R. § 1.64  
will follow (Unexecuted Declaration enclosed herewith)

MAIL ADDRESS: P.O. BOX 747, FALLS CHURCH, VIRGINIA, USA 22040-0747

09822864-040201



- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Preliminary Amendment
- ☐ Application Data Sheet in accordance with 37 C.F.R. § 1.76
- ☐ Information Disclosure Statement, PTO-1449 and reference(s)
- ☒ Other: Information Sheet
- ☐ Applicant requests early publication - \$300.00 publication fee
- ☐ Non-publication Request and Certification under 35 U.S.C. § 122(b) (2) (B) (i)

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
BASIC FEE			\$710.00	\$355.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
<b>TOTAL CLAIMS</b>	9-20=	0	x 18 = \$0.00	x 9= \$0.00
<b>INDEPENDENT CLAIMS</b>	5-3=	2	x 80 = \$160.00	x40= \$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$270.00	+ \$135.00
<b>TOTAL</b>				\$0.00

- ☒ The application transmitted herewith is filed in accordance with 37 C.F.R. § 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed declaration together with the surcharge will be forwarded in due course.
- ☒ There are no fees enclosed
- ☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.

T02040-19822850

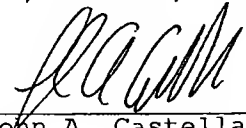
☒ Please send correspondence to:

Robert Mulcahy, Esq.  
Patent Counsel  
Legal Affairs Dept.  
Applied Materials, Inc.  
Box 450A  
Santa Clara, CA 95052

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By   
John A. Castellano, #35,094

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

JAC/pf  
1028-0171P

Attachments

(Rev. 02/23/01)

0982364-04201

PATENT  
004600/USA/TCG/ORION/LE  
IN THE U.S. PATENT AND TRADEMARK OFFICE

31036 U.S. PTO  
09/022864  
04/02/01

I N F O R M A T I O N   S H E E T

Applicant: LEDOUX, Robert Joseph; BOISSEAU, Raymond Paul;  
NETT, William Philip  
Appl. No.: NEW  
Filed: April 2, 2001  
For: METHOD AND SYSTEM FOR CONTROLLING BEAM  
SCANNING IN AN ION IMPLANTATION DEVICE

Priority Claimed Under 35 U.S.C. § 119 and/or § 120:

NONE

Send Correspondence to:

Robert Mulcahy, Esq.  
Patent Counsel  
Legal Affairs Dept.  
Applied Materials, Inc.  
Box 450A  
Santa Clara, CA 95052

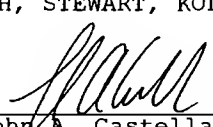
The above information is submitted to advise the U.S.P.T.O.  
of all relevant facts in connection with the present application.

A timely executed Declaration in accordance with 37 C.F.R.  
§ 1.64 will follow.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By

  
John A. Castellano, #35,094

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(Rev. 01/22/01)

SCANNED, # 14